**What you WILL know for the Genetics Unit Test**

* DNA Structure and basic function (Label a nucleotide, name nitrogenous bases, complimentary base pairs)
* Mitosis – purpose and phases (Identify/Describe)
* Meiosis – purpose and phases (Identify/Describe/Compare & Contrast)
* Spermatogenesis and Oogenesis
* Mistakes in Meiosis (ie. non-disjuction, translocations, deletions, duplications, inversions etc.)
* Karyotyping (How they are structured, AUTOSOME vs. Sex Chromosomes)
* Mendelian Genetics
  + Basics (his experiments, why they worked)
  + Law of Segregation and Law of Independent Assortment
  + Crosses (Monohybrid, Dihybrid, Test)
  + Confirming Mendel Lab (monohybrid)
  + Punnett Squares
* Genetics After Mendel
  + Codominance
  + Multiple Alleles (blood types)
  + Incomplete Dominance
  + Sex-linked Traits & Pedigrees

HINT: Practice all questions/problems. Be sure to understand the form needed for answers. Redraw diagrams (ie of meiosis). **Work on linking all concepts together.**

Unit Review Questions **in your textbook**

p. 268 # 1, 3, 4, 8, 9, 10, 11, 12-17, 20, 21, 32, 33, 34, 37, 48, 49, 51, 55, 59